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NOTICE OF ALLOWANCE AND FEE(S) DUE

37803

7500

10/15/2008

SIDLEY AUSTIN LLP 555 CALIFORNIA STREET SUITE 2000 SAN FRANCISCO, CA 94104-1715 EXAMINER

VAUGHN, GREGORY J

ART UNIT

PAPER NUMBER

2178

DATE MAILED: 10/15/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/645,503	08/22/2003	Hye Jeong Jeon	24286/81401	8746

TITLE OF INVENTION: ELECTRONIC DOCUMENT REQUEST/SUPPLY METHOD BASED ON XML

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	01/15/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

maintenance fee notificat						6 1	
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)			F	ee(s) Transmittal. Thi apers. Each additiona	mailing can only be used is certificate cannot be use I paper, such as an assignite of mailing or transmission	for domestic mailings of the d for any other accompanying ment or formal drawing, must	
37803	7590 10/15	/2008					
SIDLEY AUST 555 CALIFORN			I S	Cer hereby certify that th tates Postal Service v	tificate of Mailing or Tra is Fee(s) Transmittal is be vith sufficient postage for:	nsmission ing deposited with the United first class mail in an envelope ss above, or being facsimile date indicated below.	
SUITE 2000 SAN FRANCISCO, CA 94104-1715			tı Tı	ansmitted to the USP	TO (571) 273-2885, on the	e date indicated below. (Depositor's name)	
			-			(Signature)	
			-			(Signature) (Date)	
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APPLICATION NO.	FILING DATE		FIRST NAMED INVENT	OR .	ATTORNEY DOCKET NO.		
10/645,503	08/22/2003		Hye Jeong Jeon	ON AN O	24286/81401	8746	
TITLE OF INVENTION:	ELECTRONIC DOCC	MENT REQUEST/SUTT	ET METHOD BASED	ON AML			
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DU	E PREV. PAID ISSU	E FEE TOTAL FEE(S) D	UE DATE DUE	
nonprovisional	NO	\$1510	\$300	\$0	\$1810	01/15/2009	
EXAMI	INER	ART UNIT	CLASS-SUBCLASS	\neg			
VAUGHN, G	REGORY J	2178	715-513000				
1. Change of corresponde CFR 1.363).	nce address or indicatio	n of "Fee Address" (37	2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,				
_ ′	ondence address (or Cha /122) attached.	nge of Correspondence					
			(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to				
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			2 registered attorneys or agents. If no name is listed, no name will be printed.				
3. ASSIGNEE NAME AN			-	• •			
PLEASE NOTE: Unle recordation as set forth	ess an assignee is ident 1 in 37 CFR 3.11. Com	ified below, no assignee pletion of this form is NO	data will appear on the T a substitute for filing	e patent. If an assign an assignment.	ee is identified below, the	document has been filed for	
(A) NAME OF ASSIG			(B) RESIDENCE: (CITY and STATE OR COUNTRY)				
Please check the appropri	ate assignee category or	categories (will not be pr	rinted on the patent):	☐ Individual ☐ Co	orporation or other private	group entity 🗖 Government	
4a. The following fee(s) a	re submitted:	41	b. Payment of Fee(s): (P	lease first reapply a	ny previously paid issue f	ee shown above)	
Issue Fee			A check is enclosed.				
	o small entity discount p		Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).				
Advance Order - #	of copies		overpayment, to De	posit Account Number	er (enclose	e an extra copy of this form).	
5. Change in Entity Stat	us (from status indicate SMALL ENTITY state		□ b. Applicant is no l	onger claiming SMAI	LL ENTITY status. See 37	CFR 1.27(a)(2)	
						r the assignee or other party in	
interest as shown by the re	ecords of the United Sta	ites Patent and Trademark	C Office.				
Authorized Signature				Date			
Typed or printed name				Registration No			
This collection of informa an application. Confident submitting the completed this form and/or suggestic Box 1450, Alexandria, Vi Alexandria, Virginia 2231	ation is required by 37 Ciality is governed by 35 application form to the ons for reducing this buirginia 22313-1450. DC 13-1450.	CFR 1.311. The information U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the D NOT SEND FEES OR	on is required to obtain on 1.14. This collection is the depending upon the interest of the complete of the co	or retain a benefit by the estimated to take 12 the dividual case. Any collicer, U.S. Patent and TO THIS ADDRESS	he public which is to file (a minutes to complete, inclu- mments on the amount of Trademark Office, U.S. D S. SEND TO: Commission	and by the USPTO to process) ding gathering, preparing, and time you require to complete epartment of Commerce, P.O. er for Patents, P.O. Box 1450,	

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UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/645,503 08/22/2003		Hye Jeong Jeon	24286/81401 8746	
37803 75	90 10/15/2008		EXAM	INER
SIDLEY AUSTI	N LLP	VAUGHN, GREGORY J		
555 CALIFORNIA	STREET	ART UNIT	PAPER NUMBER	
SUITE 2000 SAN FRANCISCO), CA 94104-1715		2178 DATE MAILED: 10/15/200	8

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 326 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 326 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)			
Notice of Allowability	10/645,503 Examiner	JEON ET AL. Art Unit			
,					
	GREGORY J. VAUGHN	2178			
The MAILING DATE of this communication apper All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	olication. If not included will be mailed in due course. THIS			
1. \boxtimes This communication is responsive to <u>the RCE filed 8/4/200</u>	<u>8</u> .				
2. The allowed claim(s) is/are <u>12,14,20,22,24-28,30-36,38-43</u>	,45-50,52-57,59-64 and 66-92.				
 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some* c) None of the: 1. Certified copies of the priority documents have been received. 					
2. ☐ Certified copies of the priority documents have					
3. Copies of the certified copies of the priority do	cuments have been received in this r	national stage application from the			
International Bureau (PCT Rule 17.2(a)).					
* Certified copies not received:					
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.					
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.					
5. CORRECTED DRAWINGS (as "replacement sheets") mus	t be submitted.				
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached					
1) hereto or 2) to Paper No./Mail Date					
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date					
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).					
 DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. 					
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. ☐ Notice of Informal P	atent Application			
 Notice of References Cited (PTO-692) D Notice of Draftperson's Patent Drawing Review (PTO-948) 	6. ☐ Interview Summary	''			
	Paper No./Mail Dat	è ´			
 Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4/15/2008 	7. 🔲 Examiner's Amendn	nent/Comment			
4. Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's Stateme	ent of Reasons for Allowance			
of Biological Material	9. 🔲 Other				

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REASONS FOR ALLOWANCE

Action Background

- 1. This action is responsive to the Request for Continued Examination filed on 8/4/2008, and the supplemental amendment filed 9/5/2008.
- 2. In the response dated 8/4/2008, applicant has amended claims 12, 20, 22, 24, 27, 28, 30, 34, 36, 38, 41, 43, 45, 48, 50, 52, 55, 57, 59, 62, 64, 66 and 69. Claims 1-11, 13, 15-19, 21, 23, 29, 37, 44, 51, 58 and 65 were previously canceled.
- 3. In the response dated 9/5/2008, applicant has amended claims 12, 20, 22, 25, 26, 28, 32, 33, 36, 40, 43, 47, 50, 54, 57, 61, 64 and 68; and added new claims 79-92.
- 4. Claims 12, 14, 20, 22, 24-28, 30-36, 38-43, 45-50, 52-57, 59-64 and 66-92 are pending in the case, claims 12, 20, 22, 28, 36, 43, 50, 57, 64, 88 and 90 are independent claims.
- 5. A request for continued examination filed under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after a final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office Action (dated 4/16/2008) has been withdrawn pursuant to 37 CFR 1.114.

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6. The examiner's rejection of claims 12, 14, 20, 22, 24-28, 30-36, 38-43, 45-50, 52-57, 59-64 and 66-78, rejected under 35 USC 103(a), as described in the office action dated 4/16/2008, is withdrawn in view of the amendment to the claims.

Reasons for Allowance

7. The following is an examiner's statement of reasons for allowance:

Regarding independent claims 12, 20, 22, 28, 36, 43, 50, 57, 64, 88 and 90, the prior art of record neither anticipates nor suggests to a person of ordinary skill, at the time the invention was made, the claimed method for supplying electronic documents based on XML, the method comprising: supplying from a provider of a program broadcasting system to a client in the program providing system an electronic document that uses XML to describe programming information about a plurality of television broadcast programs scheduled for broadcast in the program broadcasting system, the electronic document having a hierarchical structure based on a prescribed syntax, the hierarchical structure including an upper fragment and a plurality of lower fragments located below the upper fragment in the hierarchical structure to describe, for each of the scheduled television broadcast programs, a program identifier, a title, broadcast information and corresponding program content information; and supplying from the provider to the client an update document to update content in the previously supplied electronic document, the update document having a structure based on the prescribed syntax and including the upper fragment Application/Control Number: 10/645,503

fragment from the electronic document according to the invalid element.

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and an invalid element to identify an invalid fragment as one of the lower fragments in the hierarchical structure, wherein the invalid fragment is related to one of the television broadcast programs described in the previously supplied electronic document, and wherein the update document indicates deletion of said invalid

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- 8. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."
- Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gregory J. Vaughn whose telephone number is (571) 272-4131. The examiner can normally be reached Monday to Friday from 8:00 am to 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen S. Hong can be reached at (571) 272-4124. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the

Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Stephen S. Hong/ Supervisory Patent Examiner, Art Unit 2178

/Gregory J. Vaughn/ Patent Examiner September 25, 2008